

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Fitzgibbon et al.)
)
Appln. No.: 09/735,141)
)
Filed: December 12, 2000)
)
Title: Garage Door Operator having)
Thumbprint Identification System)
)
Group Art)
Unit: 2652)
)
Examiner: Brian A. Zimmerman)
)

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

8/18/06

Date

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RESPONSE TO OFFICE ACTION

Dear Sir:

In response to the Office Action dated March 21, 2006 please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently amended) A rolling code responsive movable barrier operator system for controlling access to a secure area comprising:
 - a fingerprint communicating unit disposed outside the secure area and remote from a barrier movement operator inside the secure area, the fingerprint communicating unit comprising:
 - a fingerprint sensor disposed outside the secure area for generating a signal representative of a fingerprint;
 - a transmitter controller for combining ~~encoding~~ the signal representing the fingerprint with a rolling code to produce an encoded signal;
 - a transmitter for emitting the encoded signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code; and
 - the barrier movement operator comprising:
 - a receiver inside the secure area for receiving the encoded signal representative of the fingerprint;
 - a fingerprint circuit disposed inside the secure area and responsive to the received encoded signal for decoding the encoded signal to identify the signal representing a fingerprint and for determining whether the signal representing a fingerprint is representative of an authorized user; and
 - rolling code acceptance apparatus for determining whether the rolling code is acceptable;
 - and
 - a barrier operator circuit for commanding a barrier to assume a particular position when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable.

2. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint sensor comprises an optical fingerprint sensor.

3. (Previously presented) A movable barrier operator system according to claim 2 wherein the optical fingerprint sensor is an electroluminescent fingerprint sensor.

4. (Previously presented) A movable barrier operator system according to claim 2 wherein the fingerprint sensor comprises a charged coupled device for generating a signal from which the signal representative of the sensed fingerprint is produced.

5. (Previously presented) A movable barrier operator system according to claim 1 wherein the transmitter comprises a radio frequency transmitter and the signal representative of the sensed fingerprint is a radio frequency signal.

6. (Previously presented) A movable barrier operator system according to claim 1 wherein the transmitter comprise a wall control.

7. (Previously presented) A movable barrier operator system according to claim 1 further comprising a memory associated with the fingerprint sensor and the transmitter for storing information indicative of the fingerprint.

8. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint circuit compares a coded identification transmission for operation of the barrier operator circuit.

9. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint circuit receives a fingerprint identifying signal representative of the fingerprint itself.

10. (Previously presented) A movable barrier operator system according to claim 1 wherein the movable barrier operator includes a learning mode in which the signal representing a fingerprint emitted by the transmitter is received by the barrier movement operator and stored in a memory thereof.

11. (Previously presented) A movable barrier operator system according to claim 10 wherein the fingerprint circuit of the barrier movement operator reads the stored signal representative of a fingerprint to verify authorized users.

12. Cancelled.

13. (Currently amended) A movable barrier operator system according to claim 12 wherein the fingerprint circuit separates the received combined signal representative of the fingerprint from the rolling code data.